

Animation Worksheet: CVT Operation

Name: _____ Date: _____

1. A continuously variable transmission is also known by the abbreviation _____.
2. Unlike traditional transmissions with fixed gears, a CVT provides a seamless range of _____ ratios.
3. A CVT typically uses a system of _____ and a belt or chain to function.
4. The pulley that is connected to the engine of the vehicle is called the _____ pulley.
5. The output pulley is attached to the vehicle's _____.
6. Each pulley in a CVT consists of two _____ sheaves that can move closer together or farther apart.
7. At the starting ratio of _____, the input pulley is set to a wide configuration with its sheaves far apart.
8. When the sheaves of a pulley move closer together, it narrows the pulley and forces the belt to ride higher, which increases the effective _____ of the pulley.
9. Pulley width adjustments are controlled by a combination of hydraulic, electronic, or _____ systems.
10. At an ending ratio of 0.5:1, the output pulley rotates _____ for each single rotation of the input pulley, allowing for higher vehicle speeds with lower engine RPM.